

IN THE CLAIMS

Please cancel claims 13-16 without prejudice or disclaimer and amend claims 12, 17, 18, 24, 26 and 27 as set forth below.

1-11. (Canceled).

12. (Currently Amended) A base station used in a code division multiple access mobile communication system, said base station comprising:

a transmitting circuit that transmits a control signal via perch channels,

said perch channels being formed such that a long period code assigned to said base station and a first short period code are mapped in a first section of one slot of said perch channel and a predetermined short period code is mapped in a second section of said one slot,

wherein a symbol length of said predetermined short period code is set to a value smaller than a symbol length of said first short period code ~~spreading said first section.~~

13. - 16. (Canceled)

17. (Currently Amended) A base station ~~according to claim 15,~~ used in a code division multiple access mobile communication system, the base station comprising:

a transmitting circuit for transmitting a control signal via a perch channel having a long code and a short code mapped in a data symbol section of one slot and for transmitting a repetition of short codes, prepared corresponding to classification of a long code, in a long code masked symbol section of said one slot,

wherein transmission power with which the transmission of said repetition of short codes is performed is equal to one-(n-th) transmission power with which the transmission of said control signal is performed in said data symbol section, n representing a number of times of said repetition of short codes.

18. (Currently Amended) A base station ~~according to claim 16,~~ used in a code division multiple access mobile communication system, the base station comprising:

a transmitting circuit for transmitting a control signal via a perch channel having a long code and a short code mapped in a data symbol section of one slot and for transmitting a repetition of short codes, prepared corresponding to classification of a long code, in a long code masked symbol section of said one slot,

wherein said long code masked symbol section further includes a common short code (CSC), and spreading factors of said CSC and of said short codes prepared corresponding to said classification are smaller than a spreading factor of said data symbol section; and

wherein transmission power with which the transmission of said repetition of short codes is performed is equal to one-(n-th) transmission power with which the transmission of said control signal is performed in said data symbol section, n representing a number of times of said repetition of short codes.

19. (Previously Presented) A base station used in a code division multiple access mobile communication system, the base station comprising:

a transmitting circuit for transmitting a control signal spread by a long code and a short code in a data symbol section of one slot of a perch channel and for transmitting a common short code (CSC) and a group identification short code (GISC) with different timing in different ones of a plurality of sections into which a long code masked symbol section of said one slot is divided.

20. (Previously Presented) A base station according to claim 19, wherein a long code identification group is classified by the timing with which said GISC is transmitted in said sections into which the long code masked symbol section of said one slot is divided.

21. (Previously Amended) A code division multiple access mobile communication method in which, when a mobile terminal moves from one base station area to another base station area, a long code masked symbol is used for detecting a long code of a first section, said first section having said long code and a short code mapped in it, and slot timing employed for said another base station area, a spreading

factor of said long code masked symbol being made smaller than spreading factors of said short code.

22. (Previously Presented) A mobile communication method according to claim 21, wherein said long code masked symbol includes a common short code (CSC) and a group identification short code (GISC), one of said CSC and GISC being transmitted in a long code masked symbol section in a time division fashion.

23. (Previously Presented) A mobile communication method according to claim 21, wherein a plurality of timing sections are provided for transmitting GISCs within said long code masked symbol section, wherein a number of long code identification groups are established depending on in which one of said timing sections a GISC is transmitted, said number of long code identification groups to be established being larger than a number of said GISCs.

24. (Currently Amended) A mobile communication method according to claim 21, wherein said long code masked symbol

includes a group identification short code (GISC), and said GISC is transmitted a-plural times with reduced transmission power.

25. (Previously Presented) A mobile communication method according to claim 24, wherein said long code masked symbol includes a common short code (CSC), and a spreading factor of said CSC is smaller than that of said GISC in transmission of a control signal.

26. (Currently Amended) A base station used in a code division multiple access (CDMA) communication system, said base station comprising:

a transmitting circuit for transmitting a control signal via a perch channels, said perch channels being formed such that a long period code assigned to said base station and a first short period code are ~~is~~ mapped in a first section of one slot of said perch channel, and a second short period code common to base stations in said CDMA communication system and a third short period code are mapped in a second section of said one slot,

wherein a spreading factor of said second short period code is smaller than a spreading factor of said first short period code, and a spreading factor of said third short period code is ~~equal to or~~ smaller than the spreading factor of said first short period code.

27. (Currently Amended) A base station according to claim 26, wherein said third short period code is one of a plurality of short period codes each corresponding to classification of the long period codes for spreading said first section.

28. (Previously Presented) A base station according to claim 26, wherein said third short period code is transmitted plural times within said second section of said one slot.